Form 3160-4 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 200

1.				DOILLAO C	I LANE	1417 21 47 2	GENIEN.	•				- 1	- /	=	,
18. Type of Well	WELL COMPLETION OR RECOMPLETION REPORT AND LOG											l <i>I</i>			
b. Type of Completion:	I. T. SWall Control of the Control o														- T-ib - N
Other College Completed College Completed College Co											6. If Indian, Al	lotee o	r Tribe Name		
Second Component Compone	Other										V I. ,.	7. Unit or CA Agreement Name and No.			
Pecker 11-21 11-	2. Name o	f Operator			•				RECEI	V L D		╤┼	8. Lease Name	and V	/ell No.
3. Address 3a. Phone No. (include area code) 3. A. F. Well No. 20-045-32814 3. A. F. Well No. 3. C. S. S. S. S. 6800 3. A. F. Well No. 3. C. S. S. S. 6800 3. A. F. Well No. 3. C. S. S. S. 6800 3. A. F. Well No. 3. C. S. S. S. 6800 3. A. F. Well No. 3. C. S. S. S. 6800 3. A. F. Well No. 3. C. S.	Energen Resources Corporation 070 FARMINGTON NM											Ы			
			~					3a.				ode)			
At surface 1275 FNL 880 FWL NM/NM								پيرل			00		30-045-3	32814	<u> </u>
At top prod. interval reported below	4. Location	n of Well (Repo	nce with F	Federal requirements)*					1						
At total depth	At surfac	^{ce} 1275'	1. 6					L.							
At total depth								_ 0	TUG 200	~ ~	ර ්	l'			Block and
At total depth	At top pr	rod. interval rep	orted belo	W				$O_{\mathcal{X}_{q}}$	700	5	잭	L			
14. Date Spudded	444-4-1	4t					100	0) <u> </u>	5	1	2. County or P	arish	13. State
Total Depth: MD 2716 19. Plug Back T.D.: MD 2686 20. Depth Bridge Plug Set: MD TVD 17 TVD 2686 20. Depth Bridge Plug Set: MD TVD 17 TVD 2686 20. Depth Bridge Plug Set: MD TVD 21. Tvp Electric & Other Mechanical Logs Run (Submit copy of each) 22. Was well cored? Was DST run							100	****	() ((((((((((((((((((<i>y</i>	7_				
18. Total Depth: MD	14. Date S	pudded	15. Dat	e T.D. Reache	d					15	<i>y</i>		17. Elevations	(DF, F	RKB, RT, GL)*
18. Total Depth: MD			İ	-				C 12 3	<u>X</u>	Keady	to Pro	oa.			
TVD TVD TVD TVD TVD TVD TVD				-	DI C	L TERRO T	<u></u>		The second second	100 -	S- 11 1	Dail S			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 22. Was well cored	18. Total I	-	27:	16' 19.	Plug Bac			268	86'	20. L	epth!	Briage P.	•		
Triple I i tho Density - GR-SP-Caliper Microlog 23. Casing and Liner Record (Report all strings set in well) Hole Size Size/Grade Wt.(#t.) Top (MD) Botton (MD) Stage Comenter Directional Survey. Top Coment Size Size/Grade Wt.(#t.) Top (MD) Botton (MD) Stage Comenter Directional Survey. Size Size/Grade Wt.(#t.) Top (MD) Botton (MD) Stage Comenter Directional Survey. Size Size/Grade Wt.(#t.) Top (MD) Botton (MD) Stage Comenter Directional Survey. Size Size/Grade Wt.(#t.) Top (MD) Size Siz	21 Tuna F		Machani	val Loge Due /	Submit co					22 11/	11				(ultimit analysis)
Triple Litho Density - GR-SP-Caliper Microlog Directional Survey? No Set (Submit copy)	21. Type E	siculic & Other	MECHAIN	ai rogs Kuil (Judini CO	by or each	,							•	• •
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth	TrimT	Taitha Don	eitar –	CR_9D1	iner ·M	i cmi c	.							, <u> </u>	·
Hole Size Size/Grade WI.(##) Top (MD) Bottom (MD) Stage Cementer Type of Cement Type of Ceme						ICIOIC	, , , , ,			D	COLIGINA		<u> </u>		les (eachin copy)
Type of Cement Type State Type of Cement Type State	<u>ī</u>	T				(1 (D)	Stage Ceme	enter	No.of Sk	s. &	Slu	rry Vol.			
7.875 5.50 15.5 2076' 550 sks. 968 cu.ft ci 24. Tubing Record Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD)				Top (MD)	+	<u>`</u>	Depth Type of C			ement	ment (BBL)		Cement 10	γp*	
24. Tubing Record				<u> </u>	1								-		
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD)	7.875	5.50	15.5	_	207	6'	550 sl			cs.					968 cu.ft circ
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2.375" 2537' 25. Production Intervals 26. Perforation Record Perforated Interval Size No. Holes Perf. Status No. Holes Perf. Status Perf. Status No. Holes Perf. Status Perf. Statu	24. Tubing	g Record													
26. Perforation Record Formation Top Bottom Perforated Interval Size No. Holes Perf. Status	Size	Depth Set (1	MD) P	acker Depth (MI	D) S	Size	Depth Set	(MD)	Packer De	epth (MD))	Size	Depth Set ((MD)	Packer Depth (MD)
Formation	2.375"	2537'													
A) Lower Fruitland Coal 2496' 2512' 0.43 96 6 JSFF B)	25. Produc	cing Intervals				:	26. Perfor	ation R	ecord		_				
B C Upper Fruitland Coal 2259 2437 0.43 68 4 JSPF		Formation		Тор	Bot	Bottom		Perforated Interval			Size		- 		Perf. Status
C) Uppre Fruitland Coal 2259' 2437' 0.43 68 4 JSPF	A) Lowe	er Fruitlar	d Coal	2496' 2512'		12'					0.43		96		6 JSPF
D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval 2496' - 2512' 59,220 gals 70Q foam slickwater & 10,000# 40/70 sand & 70,000# 20/40 sand 2259' - 2437' 68,600 gals 70Q foam slickwater & 13,820# 40/70 sand & 71,780# 20/40 sand 28. Production - Interval A Date First Produced Date O7/28/05 Choke Tbg. Press. Size Flwg. Size	B)														
27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval Amount and Type of Material 2496' - 2512' 59,220 gals 700 foam slickwater & 10,000# 40/70 sand & 70,000# 20/40 sand 2259' - 2437' 68,600 gals 700 foam slickwater & 13,820# 40/70 sand & 71,780# 20/40 sand 28. Production - Interval A Date First Produced O7/28/05 2 Production BBL MCF BBL Gravity Gravity Flowing Choke Tbg. Press. Csg. Press. Size Flwg. Size Tested Date Test Test Hr. BBL MCF BBL Gravity Gravity Flowing 28a Production-Interval B Date First Test Date Test Test Test Production BBL MCF BBL Gravity Gravity Froduction Method Gravity Flowing ACCEPTED FOR ACCEPTED FOR ACCEPTED FOR ACCEPTED FOR AMMOR BBL Gravity Gravity Production Method Gravity Gravity Froduction Method Gravity Froduction Method Gravity Froduction Method Gravity Gravity Froduction Method Gravity Froduction Method Gravity Froduction Method MCF BBL Gravity Gravity Froduction Method Gravity Froduction Method Gravity Gravity Froduction Method Gravity Froduction Method MCF BBL Gravity Gravity Froduction Method Gravity Froduction Method MCF BBL Gravity Gravity Froduction Method MCF BBL Gravity Gravity Froduction Method Gravity Froduction Method MCF BBL Gravity Froduction Method MCF BBL Gravity Gravity Froduction Method MCF BBL Gravity Froduction MCF BBL Gravity Froduction MCF BBL Gravity Froduction MCF BBL Gravity MCF BBL Gravity Froduction MCF BBL Gravity MCF BB	C) Uppre Fruitland Coal			2259' 2437'					0.43		68		4 JSPF		
Depth Interval Amount and Type of Material	D)														
2496' - 2512' 59,220 gals 70Q foam slickwater & 10,000# 40/70 sand & 70,000# 20/40 sand	27. Acid, 1	Fracture, Treatr	nent, Cem	ent Squeeze, E	Etc.									,	
2496' - 2512' 59,220 gals 70Q foam slickwater & 10,000# 40/70 sand & 70,000# 20/40 sand		Depth Interval							Amount and	Type of l	Materia	ıl			
28. Production - Interval A Date First Produced Date O7/28/05 2 Choke Size Flwg. S1 175 165 Date First Production - Interval B Date First Production Tested Oil BBL MCF BBL Gravity Gas: Oil Ratio Gravity Gas Gravity Froduction Well Status Date First Production Method Gravity Gas: Oil Well Status ACCEPTED FOR Date First Production Method Oil Gas Water Gas: Oil Ratio Gravity Gravity Gravity Gravity Gravity Froduction Method Gravity Gas: Oil Well Status Date First Production-Interval B Date First Production Tested Date Gas: Oil Gas Water Gas: Oil Gas Water Gravity Gravity Gravity Gravity Gravity Gravity Gravity Froduction Method Gravity Froduction Method Gravity Gravity Froduction Method Gravity Froduction Method Gravity Gravity Froduction Method Gravity Gravity Gravity Gravity Gravity Froduction Method Gravity Froduction Method Gravity Gr	249	96' - 2512	'	59,220	gals '	700 foa	m slick	cwate					£ 70.000#	20/	40 sand
28. Production - Interval A Date First Produced		20		33/220	guzo	, og 100			<u> </u>	70011 - 1	0, 10		<u>u 10/00011</u>	20/	10 00110
28. Production - Interval A Date First Produced	205	EQ1 2427		69 600		700 for			- 6 13 6	220# 4	0 /70		c 71 700#	20/	10
Date First Produced Test Date O7/28/05 Tested O7/28/05 Teste		39° - 2437		60,600	gais	70Q 10a	m SIIC	Kwate	T. & T2'C	32U# 4	0/ /0	Sanc	& /I,/OUT	20/	40 Sano
Date First Produced Date O7/28/05 Test O2/2 Production O7/28/05 Date O7/28/05 Date O7/28/05 Production O7/28/05 Date O7/28/05 Date O7/28/05 Production O7/28/05 Date O7/28	20 D . 1	Alam Takamad A													
Produced Date 07/28/05 Z Production BBL MCF BBL Gravity Gravity Gravity Choke Size Flwg. S1 175 165 S65 BBL Gas. Oil BBL MCF BBL Ratio 28a. Production-Interval B Date First Produced Date Test Date Test Date Test Coll Date Test Coll Date Test Date Date Test Date Test Date Date Test Date Date Test Date Date Test Date Date Date Test Date Date Date Date Date Date Date Dat		-	· · · · · · · · · · · · · · · · · · ·	Т	0.1	I c	Lwin	Lon	Т	0		B . 1 . 4			
Choke Size Tbg. Press. Csg. Press. 175 165 Press. Si 175 165 Press. 165 Press. 165 Production-Interval B Date First Produced Date Tested Production BBL Gas MCF BBL Gravity Gravity Production Method Gravity FAMINIGION FIEL Choke Tbg. Press. Csg. 24 Oil Gas Water Gas: Oil Well Status FAMINIGION FIEL		Date	Tested						ity			rroducti			
Size Flwg. S1 175 Press. 165 Hr. BBL MCF 565 BBL Ratio 28a. Production-Interval B Date First Produced Date Test Production BBL Date Test Production BBL Date Test Produced To Date Test Production BBL Date Test Date Test Date Test Date Date Test Date BBL Gravity Gas Gravity FAMMING ION FIELD FOR STANDARD FOR STANDARD FIELD FOR STANDARD FIELD FOR STANDARD FOR STANDAR	CL.I		1	→	0.1	-	37.	 	0.1					flow	ring
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Choke Tbg. Press. Csg. 24 Oil Gas Water Gas: Oil Well Status Size Flwg. Press. Hr. BBL MCF BBL Ratio			<u> </u>			ļ									
					Oil BBL					Well Sta	itus				BY CONFIELD OF

28b. Production	on - Interv	al C								
Date First	Test	Hours	Test	Oil	Gas	Water	Oil	Gas Gravity	Production Method	
Produced	Date	Tested	Production	BBL	MCF	BBL	Gravity			
Choke Size Tbg. Pre		Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status		
28c. Product	ion-Interva	il D								
Date First Produced	Test Date	Hours Tested	Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method	
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status		
29. Dispositi	ion of Gas (S	Gold, used for j	fuel, vented, et	c.)		to be	sold	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Show a tests, in	ıll importar	nt zones of pe		ntents t			als and all drill- flowing and sh	stem	ation (Log) Markers	
Format	tion	Тор	Bottom		Desci	iptions, Co	ontents, etc.		Name	Top Meas.Depth
				+				Nacimi	ento	ivicas.Deptii
								Ojo Al		9061
								Kirtla		1060'
								Fruitl	and	2099'
								Fruitl	and Coal	2224'
									and Coal Base	2522'
									ed Cliffs	2523'
33. Indicate	e which ite trical/Mech	ms have bee a anical Logs (gging procedu ttached by pla full set req'd) nd cement veri	cing a ch	Geo	appropriat logic Repo e Analysis		Report Dire	ectional Survey	٠.
34. I hereb	v certify th	at the foregoi	ng and attache	d inform	ation is co	mplete and	correct as deter	mined from all ava	ilable records (see attached i	nstructions)*
			Donaghey			,			atory Analyst	,
Signatu	6	wi?) Jan	5				29/05	
Title 18 U.S States any fa	S.C. Sectionalse, fictition	n 1001 and T	title 43 U.S.C.	Section or repre	1212, mal	ke it a crir	ne for any personatter within its j	n knowingly and urisdiction.	willfully to make to any dep	artment or agency of the Unite